SEQUENCE LISTING

	(1)	GENE	RAL IN	AL INFORMATION:				
		(i)	APPLI	CANT: President and Fellows of Harvard College				
		(ii)	TITLE	OF INVENTION: LACTACYSTIN ANALOGS				
5		(iii)	NUME	BER OF SEQUENCES: 17				
		(iv)	CORR	ESPONDENCE ADDRESS:				
10			(A) (B) (C) (D) (E) (F)	COUNTRY: USA				
		(v)	COMP	PUTER READABLE FORM:				
15			(A) (B) (C) (D)	MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.30				
		(vi)	CURR	ENT APPLICATION DATA:				
20			(A) (B) (C)	APPLICATION NUMBER: PCT/US96/ FILING DATE: 12-APR-1996 CLASSIFICATION:				
		(vii)	PRIOF	R APPLICATION DATA:				
			(A) (B)	APPLICATION NUMBER: US 08/421,583 FILING DATE: 12-APR-1995				
25		(viii)	ATTO	RNEY/AGENT INFORMATION:				
			(A) (B) (C)	NAME: Freeman, John W. REGISTRATION NUMBER: 29,066 REFERENCE/DOCKET NUMBER: 00246/197W01				
		(ix)	TELE	COMMUNICATION INFORMATION:				
30			(A) (B) (C)	TELEPHONE: 617/542-5070 TELEFAX: 617/542-8906 TELEX: 200154				

	(2)	INFO	INFORMATION FOR SEQ ID NO:1:							
		(i)	SEQUENCE (CHARACTERISTICS	:					
5			(B) TYPE: (C) STRA	TH: 15 amino acids amino acid NDEDNESS: not relev LOGY: linear	vant					
		(ii)	MOLECULE	TYPE: protein						
		(xi)	SEQUENCE I	DESCRIPTION: SEQ	ID NO:1:					
	T	hr Thr I	Thr Leu Ala Phe	Lys Phe Arg His Gly	Gly Ile Ile Ala					
10	1		5	10	15					
	(2)	INFO	RMATION FO	R SEQ ID NO:2:						
		(i)	SEQUENCE (CHARACTERISTICS	:					
15			(B) TYPE: (C) STRA	TH: 15 amino acids amino acid NDEDNESS: not relev LOGY: linear	vant					
		(ii)	MOLECULE	TYPE: protein						
		(xi)	SEQUENCE I	DESCRIPTION: SEQ	ID NO:2:					
	Т	hr Thr 7	Thr Leu Ala Phe	Lys Phe Arg His Gly	Val Ile Val Ala					
20	1		5	10	15					
	(2)	INFC	RMATION FO	R SEQ ID NO:3:						
		(i)	SEQUENCE	CHARACTERISTICS	3:					
25			(B) TYPE (C) STRA	TH: 15 amino acids : amino acid NDEDNESS: not rele LOGY: linear	vant					
		(ii)	MOLECULE	TYPE: protein						
		(xi)	SEQUENCE	DESCRIPTION: SEQ	ID NO:3:					
	T	hr Thr	Гhr Leu Ala Phe	Lys Phe Gln His Gly	Val Ile Ala Ala					
30	1		5	10	15					

	(2)	INFO	INFORMATION FOR SEQ ID NO:4:						
		(i)	SEQUI	ENCE CH	IARACTE	ERISTICS:			
5			(A) (B) (C) (D)	TYPE: as	H: 15 amin mino acid DEDNESS DGY: linea	: not relev	ant		
		(ii)	MOLE	CULE T	YPE: prote	ein			
		(xi)	SEQU	ENCE DE	ESCRIPTI	ON: SEQ	ID NO:4:		
	T	hr Thr I	Thr Leu A	Ala Phe A	rg Phe Glı	Gly Gly	Ile Ile Val	Ala	
10	1		5			10		15	
	(2)	INFO	RMATI	ON FOR	SEQ ID N	O:5:			
		(i)	SEQU	ENCE CH	HARACTI	ERISTICS	:		
15			(A) (B) (C) (D)	TYPE: a	H: 15 amir mino acid DEDNESS DGY: line	S: not relev	ant		
		(ii)	MOLE	ECULE T	YPE: prote	ein			
		(xi)	SEQU	ENCE DI	ESCRIPTI	ON: SEQ	ID NO:5:		
	T	hr Thr 🛚	Thr Val C	Gly Ile Th	r Leu Lys	Asp Ala V	al Ile Met	Ala	
20	1		5	;		10		15	
	(2)	INFC	RMATI	ON FOR	SEQ ID N	O:6:			
		(i)	SEQU	ENCE CI	HARACTI	ERISTICS	•		
25			(A) (B) (C) (D)	TYPE: a	H: 11 amin mino acid DEDNESS OGY: line	S: not relev	/ant		
		(ii)	MOLE	ECULE T	YPE: prote	ein			
		(xi)	SEQU	ENCE DI	ESCRIPTI	ON: SEQ	ID NO:6:		
	A	sp Ala	Tyr Ser (Gly Gly S	er Val Ser	Leu Tyr			
30	1		5	5		10			

	(2)	INFO	RMATI	ON FOR SI	EQ ID NO:	7:						
		(i)	SEQU	ENCE CHA	ARACTER	ISTICS:						
5			(A) (B) (C) (D)	LENGTH: TYPE: am STRANDI TOPOLOG	ino acid EDNESS: 1	acids not relevant						
		(ii)	MOLE	CULE TY	PE: protein	ı						
		(xi)	SEQU	SEQUENCE DESCRIPTION: SEQ ID NO:7:								
	As	sp Ala T	yr Ser (Gly Gly Ala	Val Asn I	eu Tyr His Val	Arg					
10	1		5	i i		10						
	(2)	INFO	RMATI	ON FOR S	EQ ID NO	:8:						
		(i)	SEQU	ENCE CHA	ARACTER	ISTICS:						
15			(A) (B) (C) (D)		ino acid EDNESS:	acids not relevant						
		(ii)	MOLI	ECULE TY	PE: proteir	n						
		(xi)	SEQU	SEQUENCE DESCRIPTION: SEQ ID NO:8:								
	A	sp Ser T	yr Ser (Gly Gly Val	l Val Asn N	Met Tyr His Met	Lys					
20	1		4	5		10						
	(2)	INFO	RMAT]	ON FOR S	EQ ID NO	:9:						
		(i)	SEQU	IENCE CH	ARACTER	RISTICS:						
25			(A) (B) (C) (D)	TYPE: an		not relevant						
		(ii)	MOL	ECULE TY	PE: protei	n						
		(xi)	SEQU	JENCE DE	SCRIPTIO	N: SEQ ID NO:	9:					
	V	al Ile G	lu Ile A	sn Pro Tyr 1	Leu Leu G	ly Thr Met Ala	Gly Gly Ala					
30	1			5	1	10	15					

	Α	da Asp (Cys Ser	Phe			
			20				
	(2)	INFO	RMATI	ON FOR SE	EQ ID NO:10:		
		(i)	SEQU	ENCE CHA	RACTERISTI	CS:	
5			(A) (B) (C) (D)	TYPE: ami	EDNESS: not re		
		(ii)	MOLI	ECULE TYP	PE: protein		
10		(xi)	SEQU	ENCE DES	CRIPTION: SE	EQ ID NO:10:	
	V	'al Ile G	lu Ile As	sn Pro Tyr L	eu Leu Gly Thi	Leu Ala Gly	Gly Ala
	1		4	5	10		15
	A	la Asp (Cys Gln	Phe Trp Glu	ı Arg		
			20				
15	(2)	INFO	RMATI	ION FOR SE	EQ ID NO:11:		
		(i)	SEQU	IENCE CHA	RACTERISTI	CS:	
20			(A) (B) (C) (D)	TYPE: am STRANDI	EDNESS: not re		
		(ii)	MOLI	ECULE TYI	PE: protein		
		(xi)	SEQU	JENCE DES	CRIPTION: SI	EQ ID NO:11	•
	7	/al Ile G	lu Ile A	sn Pro Pro T	yr Leu Leu Gly	Thr Met Ser	Gly Cys
	1			5	10		15
25	A	Ala Ala A	Asp Cys	Gln Tyr Trp	Glu Arg		
			20		25		
	(2)	INFO	RMAT	ION FOR SI	EQ ID NO:12:		
		(i)	SEQU	JENCE CHA	ARACTERISTI	CS:	
30			(A) (B)	LENGTH: TYPE: am	16 amino acid ino acid	s	

			(C) (D)	STRANDEDNES TOPOLOGY: lin		
		(ii)	MOLI	ECULE TYPE: pro	otein	
		(xi)	SEQU	ENCE DESCRIP	ΓΙΟΝ: SEQ ID N	NO:12:
5	G	ly Tyr S	er Tyr A	Asp Leu Glu Val C	Blu Glu Ala Tyr	Asp Leu Ala Arg
	1		4	5	10	15
	(2)	INFO	RMAT]	ON FOR SEQ ID	NO:13:	
		(i)	SEQU	ENCE CHARAC	TERISTICS:	
10			(A) (B) (C) (D)	LENGTH: 15 am TYPE: amino ac STRANDEDNE TOPOLOGY: lin	id SS: not relevant	
		(ii)	MOL	ECULE TYPE: pro	otein	
		(xi)	SEQU	ENCE DESCRIP	ΓΙΟΝ: SEQ ID Ν	NO:13:
15	G	ly Tyr S	Ser Asp	Leu Glu Val Glu (Gln Ala Tyr Asp	Leu Ala Arg
	1		;	5	10	15
	(2)	INFO	RMAT	ON FOR SEQ ID	NO:14:	
		(i)	SEQU	JENCE CHARAC	TERISTICS:	
20		(i)	(A)	JENCE CHARAC LENGTH: 16 an TYPE: amino ac STRANDEDNE TOPOLOGY: lin	nino acids id SS: not relevant	
20		(i) (ii)	(A) (B) (C) (D)	LENGTH: 16 an TYPE: amino ac STRANDEDNE	nino acids id SS: not relevant near	
20			(A) (B) (C) (D) MOL	LENGTH: 16 an TYPE: amino ac STRANDEDNE TOPOLOGY: lin	nino acids id SS: not relevant near otein	NO:14:
20 25	G	(ii) (xi)	(A) (B) (C) (D) MOL	LENGTH: 16 an TYPE: amino ac STRANDEDNE TOPOLOGY: lin	nino acids id SS: not relevant near otein TION: SEQ ID N	
	G 1	(ii) (xi)	(A) (B) (C) (D) MOL	LENGTH: 16 an TYPE: amino ac STRANDEDNE TOPOLOGY: lin ECULE TYPE: pro JENCE DESCRIP	nino acids id SS: not relevant near otein TION: SEQ ID N	
		(ii) (xi) dy Tyr 4	(A) (B) (C) (D) MOL SEQU	LENGTH: 16 an TYPE: amino ac STRANDEDNE TOPOLOGY: lin ECULE TYPE: pro JENCE DESCRIP Asn Leu Ser Pro C	nino acids id SS: not relevant near otein TION: SEQ ID N Glu Glu Ala Tyr	Asp Leu Gly Arg
	1	(ii) (xi) dy Tyr 4	(A) (B) (C) (D) MOL SEQU Arg Pro	LENGTH: 16 an TYPE: amino ac STRANDEDNE TOPOLOGY: lin ECULE TYPE: pro JENCE DESCRIP Asn Leu Ser Pro C	nino acids id SS: not relevant near otein TION: SEQ ID N Glu Glu Ala Tyr 10 NO:15:	Asp Leu Gly Arg

			(C) (D)	STRANDE TOPOLOG	EDNESS: not relev SY: linear	ant	
		(ii)	MOL	ECULE TYF	E: protein		
		(xi)	SEQ	JENCE DES	CRIPTION: SEQ	ID NO:15:	
5	T	hr Thr I	le Ala (Gly Val Val T	Tyr Lys Asp Gly Il	e Val Leu Gly A	Ma
	1			5	10	15	
	A	sp Thr	Arg				
	(2)	INIEC	DMAT	ION EOD SE	EQ ID NO:16:		
	(2)	плес					
10		(i)	SEQ	UENCE CHA	RACTERISTICS	:	
			(A)		19 amino acids		
			(B) (C)		ino acid EDNESS: not relev	vant	
			(D)	TOPOLOG		dit	
15		(ii)	MOL	ECULE TY	PE: protein		
		(xi)	SEQ	UENCE DES	CRIPTION: SEQ	ID NO:16:	
	X	aa Xaa	Ile Ala	Gly Val Val	Tyr Lys Asp Gly l	le Val Leu Gly	Ala
	1			5	10	15	
	A	sp Thr	Arg				
20							
	(2)	INFO	RMAT	TION FOR SI	EQ ID NO:17:		
		(i)	SEQ	UENCE CHA	ARACTERISTICS	:	
			(A)	LENGTH:	9 amino acids		
25			(B)				
25			(C) (D)		EDNESS: not relev GY: linear	vani	
		(ii)	MOI	LECULE TY	PE: protein		
		(xi)	SEQ	UENCE DES	SCRIPTION: SEQ	ID NO:17:	
	Т	hr Thr	Ile Ala	Gly Val Val	Tyr Lys		
30	1			5			